

From: Amy Cabbage
To: RAI list
Date: Fri, Sep 29, 2006 4:37 PM
Subject: Comments on responses to 4.3-1 and 21.6-54 (MFN 06-291 and 295)

Frostie,

See attached comments related to GE's response to RAI 4.3-1 (MFN-06-291) and 21.6-54 (MFN-06-295). These comments will be discussed during a telecon that is scheduled for Tuesday October 3. The reviewer identified that a portion of the comments contain proprietary information. I have attached a proprietary version which is password protected and a non-proprietary version. Please let us know if the markings are correct since we will be adding the non-proprietary version to ADAMS to document these comments.

Thanks,
Amy

CC: Fawcett, Russ M. (GNF); internet:wayne.marquino@gene.ge.com; Yarsky, Peter

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Creation Date Fri, Sep 29, 2006 4:37 PM
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MESSAGE	918	Friday, September 29, 2006 4:37 PM
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PROPRIETARY comments on 4.3-1 and 21.6-54.pdf18627		Friday, September 29,
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NRC staff comments on GE's partial response to RAI letter #21 (MFN-06-291)

1. Comments on response to RAI 4.3-1

The information provided is necessary to support the staff review of nuclear parameter uncertainty determination. To this end, the staff is reviewing the use of the information in response 4.3-1 to review the uncertainty analysis for the [[]]. The staff requires additional information to perform this review, particularly, provide additional information regarding the step by step process used with these lattice physics analyses, including details of any calculations performed with MCNP, to determine the uncertainty in the [[]].

NRC staff comments on GE's partial response to RAI letter #49 (MFN-06-295)

1. Comments on response to RAI 21.6-54

The response includes, in tabular form, the parameter used to account for void history effects. This parameter is slightly different from the information that is needed by the staff. The staff requires information regarding the void fraction for each node during cycle exposure. This information may be provided as the [[]] for each node for a series of points during exposure. The staff additionally requires information regarding the complete void history for any particular bundle during its full residency in the core. This information may be supplied by providing a shuffle sequence for the equilibrium cycle that characterizes for each bundle location within the core, the new bundle location for the beginning of the next cycle in equilibrium, which bundles are discharged, and which bundle locations new fuel is loaded into. The staff additionally requires the time duration between each depletion point.